CIM41 — JAVA PROGRAMMING

Time : Three hours   Maximum : 75 marks
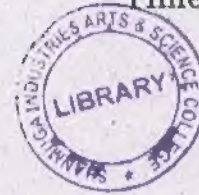
SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. State the difference between procedural language and OOPs.

2. List any two special string operations in java.

3. Name the types of inheritances in java.

4. Define wrapper class.

5. What is package?

6. Write the advantages of multithreading in java.

7. Expand: AWT

8. What is iterator?

9. Define Applet lifecycle in java

10. List types of JDBC drivers.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain briefly about the features of java.

Or

(b) Define Array and explain the different types of Array along with their advantages.

12. (a) Describe the usage of super keyword with an example program.

Or

(b) Write a java program for Fibonacci series using recursion.

13. (a) Illustrate a program using interfaces in java.

Or

(b) Discuss in detail about creating and importing packages with an examples.

14. (a) Write in detail about collection framework in java.

Or

(b) Develop a java program using JMenuItem and JMenu with explanation.

15. (a) Explain the differences between swing and AWT.

Or

(b) Elaborate swing control classes and methods in java with an illustrations.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. What is a conditional statement? Discuss various types with examples.

17. Compare and Contrast overloading and overriding methods in java.

18. Define and develop a java program using finally block in exception handling.

19. Explain in detail about event handling in java with an example program.

20. Develop an applet that receives an integer in one text field and computes its square value and returns it in another text field, when the button named "compute" is clicked.